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EXAMINER

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/734,875 12/12/2003

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5616-0081

1041

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12/06/2004

HOANG, JOHNNY H

ART UNIT

PAPER NUMBER

3747

DATE MAILED: 12/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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over sheet with the correspondence address
EXPIRE 3 MONTH(S) FROM  however, may a reply be timely filed  minimum of thirty (30) days will be considered timely.  pire SIX (6) MONTHS from the mailing date of this communication.  ion to become ABANDONED (35 U.S.C. § 133).  unication, even if timely filed, may reduce any
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the drawing(s) is objected to. See 37 CFR 1.121(d). he attached Office Action or form PTO-152.
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35 U.S.C. § 119(a)-(d) or (f).
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copies not received.
7 Interview Commun. (DTC) 4451
Interview Summary (PTO-413) Paper No(s)/Mail Date
Notice of Informal Patent Application (PTO-152)  Other:
J Outer

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#### **DETAILED ACTION**

### Inventorship

1. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

## Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Kim (US 6,526,346 B2).

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Regarding claim 1, the reference of Kim discloses a method for controlling a diesel engine including the following subject matters: injection quantity determination means for determining the required fuel injection quantity based on the accelerator opening degree and engine revolution speed (col. 3, lines 19-24), the device comprising control (20) means for conducting a minimum cut-off control such that at the time the injection is to be restarted after fuel injection has been cut-off for the predetermined time, the fuel injection cut-off is continued when the required injection quantity determined by said injection quantity determination means is less than the prescribed minute injection quantity, and the fuel injection is restarted when the required injection quantity is equal to the prescribed minute injection quantity or larger, this restart being made with the required injection quantity attained at this time (col. 3, line 42 through col. 4, line 53).

## Allowable Subject Matter

4. Claims 2-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure. The copies of U.S Patent are provided.

Morimoto et al (US 6,763,903 B2).

6. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Johnny H. Hoang whose telephone number is (571) 272-4843. The

examiner can normally be reached on Monday - Thursday (7:00Am-5: 30Pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Henry Yuen can be reached on (571) 272-4856. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private

PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JHH

November 29, 2004

Johnny H. Hoang Examiner Art Unit 3747

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Willis R. Wolfe Primary Examiner

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